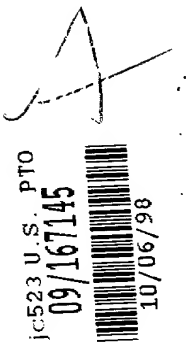
IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant : Bobby HU
Serial No.:
Filed :
For : PIPE CUTTER

Docket Number: 9898 B
Art Unit :
Examiner :



Transmitted herewith is the following:

XXX Application for Letters Patent
Application for Design Patent
Twenty (20) Sheets of Drawings
Assignment for Recordation
Amendment
Issue Fee Transmittal Form
XXX Other Acknowledgement postcard and Power of Attorney.

Trademark Application
Service Mark Application
Affidavit under Section 8 & 15
Application for Renewal
Notice of Appeal
Brief on Appeal (in triplicate)

The filing fee has been calculated below:

FOR:	(Col. 1) NO. FILED	(Col. 2) NO. EXTRA	SMALL ENTITY RATE	SMALL ENTITY FEE		OTHER THAN A SMALL ENTITY RATE	OTHER THAN A SMALL ENTITY FEE
BASIC FEE	XXXXXXXXXX XXXXXXXXXX	XXXXXXXXXXXX XXXXXXXXXXXX	XXXXX XXXXX	$355.	OR	XXXXX XXXXX	$710.
TOTAL CLAIMS	25 -20=	* 5	x11=	$55.	OR	x22=	$
INDEP. CLAIMS	3 -3=	* 0	x37=	$ 0	OR	x74=	$
☐ MULTIPLE DEPENDENT CLAIM PRESENTED			115.	$	OR	230.	$
* If the difference in Col 1. is less than zero, enter "0" in Col. 2.			TOTAL	$450	OR	TOTAL	$

XXX A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27. (Independent Inventor).

Please charge my Deposit Account No. 02-1435 in the amount of $_____. A duplicate copy of this sheet is enclosed.

XXX A check in the amount of $ 450.00 to cover the filing fee is enclosed.

XXX The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 02-1435. A duplicate copy of this sheet is enclosed.

XXX Any additional filing fees required under 37 CFR 1.16.
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Any issue fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).

XXX Any filing fees under 37 CFR 1.16 for presentation of extra claims.

XXX I hereby certify that this correspondence is being deposited with the United States Postal Service as EXPRESS mail in an envelope addressed to: Commissioner of Patents & Trademarks, Washington, D.C. 20231 on October 6, 1998 via Express Mail Label No. EJ294201636US.

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Respectfully submitted,

CHARLES E. BAXLEY
USPTO REG. 20,149

CEB:RRD

Dated: October 6, 1998

Applicant or Patentee: Bobby HU
Serial or Patent Number: _____
Filed or Issued: _____
For: PIPE CUTTER

Docket #: 9898 B
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Art Unit: _____

VERIFIED STATEMENT (DECLARATION) BY AN INDEPENDENT INVENTOR CLAIMING SMALL ENTITY STATUS UNDER *37 CFR 1.9(F) AND 1.27(B)*

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in *37 CFR 1.9(c)* for purposes of paying reduced fees under *section 41(a) and (b) of Title 35, United States Code*, to the Patent and Trademark Office with regard to the invention entitled PIPE CUTTER

by Bobby HU
(inventor(s))

described in:

- [X] The specification filed herewith.
- [ ] Patent application serial number _____, filed _____.
- [ ] PCT International patent application number _____, filed _____.
- [ ] Patent number _____, issued _____.

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license any rights in the invention to any person who could not be classified as an independent inventor under *37 CFR 1.9(c)* if that person had made the invention, or to any concern which would not qualify as a small business concern under *37 CFR 1.9(d)* or a nonprofit organization under *37 CFR 1.9(e)*.

Each person, concern or organization to which I have assigned, granted, conveyed or licensed or am under an obligation under contract or law to assign, grant, convey or license any rights in the invention is listed below:

- [X] No such person, concern or organization.
- [ ] Persons, concerns or organizations listed below. **Note: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities *(37 CFR 1.27)*.**

Full Name: _____
Address: _____
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Full Name: _____
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☐See attached sheet for additional person(s), concern(s) or organization(s).

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate *(37 CFR 1.28(b))*.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine, or imprisonment, or both, under *section 1001 of Title 18 of the United States Code*, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which the verified statement is directed.

	Inventor 1	Inventor 2	Inventor 3
Name	Bobby HU		
Signature			
Date	September 18, 1998		

PIPE CUTTER

FIELD OF THE INVENTION

The present invention relates to a pipe cutter having two rollers and a disk blade wherein one of the rollers and the disk blade are movable and connected together by links so that the pipe to be cut is evenly and firmly clamped by three contacting points.

BACKGROUND OF THE INVENTION

A conventional pipe cutter generally includes a body made of cast iron, fixed two rollers arranged to an inner side of the body and a movable blade disk movably connected to a threaded rod which can be moved by rotating a knob connected to a distal end of the threaded rod. A pipe to be cut can be clamped by the two fixed rollers and the disk blade which is moved toward the two fixed rollers. By rotating the threaded rod, the disk blade cuts the pipe. However, the speed to move the disk blade is so slow so that it takes a lot of time to cut the pipe. In addition, the conventional pipe cutter can be only used to cut the pipe having the smaller diameter, because the distance between the two rollers is not adjustable so that a pipe having a large diameter will not well clamped between the two rollers and the disk blade. Furthermore, the threaded rod can only be moved in a fixed direction and this limits the positions where the rollers are located. All of the three pipe cutters are made in a form of a one-piece article which is made of cast iron which heavy so that the users cannot use them conveniently. The cost for manufacturing the conventional pipe cutters is high and therefore reduces the commercial benefit.

The present invention intends to provide an improved pipe cutter wherein one of two rollers is fixed and the other is movable, the disk blade is movable and pivotally connected to the movable roller by two links so that the two rollers and the

blade disk clamp the pipe to be cut evenly on the outside of the pipe, and the pipe cutter of the present invention may clamp pipes with different diameters.

SUMMARY OF THE INVENTION

In accordance with one aspect of the present invention, there is provided a pipe cutter comprising a body having two side walls and each of the side walls having an arcuate slot defined therethrough. The body has a first end with a rod movably extending therethrough and a second end having a first contacting member rotatably connected thereto. A first link has a first end thereof pivotably connected to the body and a second end thereof having a disk blade rotatably connected thereto. The rod is pivotally connected to the first link. A second link has a first end thereof pivotally connected to the first link and a second end thereof having a second contacting member rotatably connected thereto. The second contacting member has two protrusions extending centrally and longitudinally therefrom so as to move within the two arcuate slots.

An object of the present invention is to provide a pipe cutter with a fixed roller, a movable roller and a movable disk blade so as to clamp a pipe to be cut firmly.

Further objects, advantages, and features of the present invention will become apparent from the following detailed description with appropriate reference to the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a perspective view of the first embodiment of the pipe cutter in accordance with the present invention;

Fig. 2 is an exploded view of the first embodiment of the pipe cutter in accordance with the present invention;

Fig. 3 is an illustrative view to illustrate the first embodiment of the pipe cutter of the in accordance with the present invention, wherein the two rollers and the disk blade are moved together;

Fig. 4 is an illustrative view to illustrate the first embodiment of the pipe cutter of the in accordance with the present invention, wherein a small pipe is clamped in the pipe cutter;

Fig. 5 is an illustrative view to illustrate the first embodiment of the pipe cutter of the in accordance with the present invention, wherein a large pipe is clamped in the pipe cutter;

Fig. 6 is a perspective view of the second embodiment of the pipe cutter in accordance with the present invention;

Fig. 7 is an exploded view of the second embodiment of the pipe cutter in accordance with the present invention;

Fig. 8 is an illustrative view to illustrate the second embodiment of the pipe cutter of the in accordance with the present invention, wherein the two rollers and the disk blade are moved together;

Fig. 9 is an illustrative view to illustrate the second embodiment of the pipe cutter of the in accordance with the present invention, wherein a small pipe is clamped in the pipe cutter;

Fig. 10 is an illustrative view to illustrate the second embodiment of the pipe cutter of the in accordance with the present invention, wherein a large pipe is clamped in the pipe cutter;

Fig. 11 is a perspective view of the third embodiment of the pipe cutter in accordance with the present invention;

Fig. 12 is an exploded view of the second embodiment of the pipe cutter in accordance with the present invention;

Fig. 13 is an illustrative view to illustrate the second embodiment of the pipe cutter of the in accordance with the present invention, wherein the two rollers and the disk blade are moved together;

Fig. 14 is an illustrative view to illustrate the third embodiment of the pipe cutter of the in accordance with the present invention, wherein a small pipe is clamped in the pipe cutter;

Fig. 15 is an illustrative view to illustrate the third embodiment of the pipe cutter of the in accordance with the present invention, wherein a large pipe is clamped in the pipe cutter;

Fig. 16 is an exploded view of the fourth embodiment of the pipe cutter in accordance with the present invention;

Fig. 17 is an illustrative view to illustrate the fourth embodiment of the pipe cutter of the in accordance with the present invention;

Fig. 18 is an end view to show the two side walls connected with each other of the fourth embodiment of the pipe cutter;

Fig. 19 is an exploded view of the fifth embodiment of the pipe cutter in accordance with the present invention, and

Fig. 20 is an illustrative view to illustrate the fifth embodiment of the pipe cutter of the in accordance with the present invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Referring to Figs. 1 to 4, the pipe cutter in accordance with the present invention comprises a body 10 having an arcuate plate 101 and the two side walls 102 extending from two opposite sides of the arcuate plate 101, each of the two side walls 102 having an arcuate slot 100 defined therethrough. A threaded rod 11 threadedly and movably extends through a tube 111 pivotally received in the first end of the body 10, and a first contacting member 12 is rotatably connected thereto

the second end of the threaded rod 11. A knob 110 connected to one of two ends thereof and opposite to the first contacting member 12.

A first link has a first end thereof pivotably connected to the body 10 and a second end thereof having a disk blade 14 rotatably connected thereto. The other end of the threaded rod 11 is pivotally connected to the first link 13 so that when moving the threaded rod 11, the disk blade 14 is moved toward the first contacting member 12. A second link 15 has a first end thereof pivotally connected to the first link 13 and a second end thereof having a second contacting member 16 rotatably connected thereto which has a pin extending through the second contacting member 16 so that two protrusions 160 extend centrally and longitudinally from two ends of the second contacting member 16 and respectively move within the two arcuate slots 100. The second contacting member 16 is moved according to the movement of the disk blade 14 so that when moving the disk blade 14 to an extreme position where the disk blade 14 contacts the first contacting member 12, the second contacting member 16 is located beside the first contacting member 12. Therefore, when clamping a small pipe 40, the three contacting points on the pipe 40 are located at an equal angular distance. Referring to Fig. 5, when a large pipe 41 is clamped by the pipe cutter, the first contacting member 12 and the second contacting member 16 are separated wide apart so as to firmly hold the pipe 41.

Each of the two side walls 102 has an arcuate recess 103 defined in one of two sides thereof so as to receive a pipe 40 to be cut. It is to be noted that each of the first link 13 and the second link 15 includes two plates connected with each other with a gap defined between the two plates so that the total weight of the pipe cutter is reduced. The two plates and the two side walls 102 can be made of plastic material, and are connected together by rivets so as to conveniently assemble the pipe cutter.

Referring to Figs. 6 to 8 showing the second embodiment of the pipe cutter of the present invention, wherein the pipe cutter comprises a body 20 having an arcuate plate 201 and two side walls 202 extend from two opposite sides of the arcuate plate 201. The body 20 has the first end thereof with a threaded rod 21 movably and pivotally extending therethrough and a second end having a first contacting member 22 rotatably connected thereto. The threaded rod 21 extends through the tube 211 which is pivotally received in the first end of the body 20. A guide roller 200 is connected between the two side walls 202, and a knob 210 is connected to the threaded rod 21. Each of the two side walls 202 has an arcuate recess 203 defined in one of two sides thereof so as to be adapted to receive a pipe to be cut.

A first link 23 has a first end thereof pivotably connected to the body 20 and a second end thereof having a disk blade 24 rotatably connected thereto, the threaded rod 21 pivotally connected to the first link 23. A second link 25 has a first end thereof pivotally connected to the first link 23 and a second end thereof having a second contacting member 26 rotatably connected thereto. A spring 250 is biased between the second link 25 and the body 20 and the guide roller 200 rolls on the back of the second link 25 when the second link 25 moves. The second link 25 has a raised portion 251 which contacts the guide roller 200 when the second contacting member 26 is moved beside the first contacting member 22 as shown in Fig. 8. Each of the first link 23 and the second link 25 includes two plates connected with each other with a gap defined between the two plates.

Figures 8 and 9 respectively show the pipe cutter clamps a small pipe 42 and a large pipe 43, wherein the second link 25 moves by rolling on the guide roller 200 and the spring 250 pulls the second link 25 to contact the guide roller 200.

Figures 11 to 13 show the third embodiment of the pipe cutter of the present invention which comprises a body 30 having an arcuate plate 301 and two side walls 302 extend from two opposite sides of the arcuate plate 301. Each of the two side walls 302 has an arcuate recess 303 and an arcuate notch 300 respectively defined in one of two sides thereof, the arcuate recess 303 communicating with the arcuate notch 300. The body 30 has a first end with a threaded rod 31 pivotally extending therethrough and a second end thereof having a first contacting member 32 rotatably connected thereto. The threaded rod 31 extends through a tube 311 pivotally received in the first end of the body 30 and a knob 310 is connected to one of two ends of the threaded rod 31.

A first link 33 has a first end thereof pivotably connected to the body 30 and a second end thereof having a disk blade 34 rotatably connected thereto, the rod 31 pivotally connected to the first link 33. A second link 35 has a first end thereof pivotally connected to the first link 33 and a second end thereof having a second contacting member 36 rotatably connected thereto. A spring 350 biased between the second link 35 and the body 30. A pin extends through the second contacting member 36 so as to have two protrusions 360 extending centrally and longitudinally from two ends of the second contacting member 36 such that the two protrusions 360 move along the two arcuate notches 300. Each of the first link 33 and the second link 35 includes two plates connected with each other with a gap defined between the two plates.

Referring to Figs. 14 and 15 which respectively show a small pipe 44 and a large pipe 45 clamped by the pipe cutter, the second contacting member 36 is moved according to the sizes of the pipes 44, 45.

Referring to Figs. 16 to 18 showing the fourth embodiment of the pipe cutter of the present invention, wherein the structure of the pipe cutter is the same as

that shown in Figs. 11 to 15 except that the fourth embodiment has no the arcuate plate 301 as shown in Fig. 12. The two side walls 400 of the fourth embodiment of the pipe cutter are connected together by several rivets 401 so that all the parts such as the two links 402, 403 and the threaded rod 404 are received between the two side walls 400. Figures 19 and 20 show the fifth embodiment of the pipe cutter of the present invention, wherein the pipe cutter of the fifth embodiment is the same as that of the fourth embodiment except that a connecting plate 501 connects the two side walls 500 of the fifth embodiment and the connecting plate 501 is made of flexible and durable material so that the two side walls 500 can be folded toward to each other corresponding to the connecting plate 501, and the two side walls 500 are further connected by rivets 502.

The invention is not limited to the above embodiment but various modification thereof may be made. It will be understood by those skilled in the art that various changes in form and detail may made without departing from the scope and spirit of the present invention.

WHAT IS CLAIMED IS:

1. A pipe cutter comprising:

a body having two side walls and each of said side walls having an arcuate slot defined therethrough, said body having a first end with a rod movably and pivotally extending therethrough and a second end having a first contacting member rotatably connected thereto;

a first link having a first end thereof pivotably connected to said body and a second end thereof having a disk blade rotatably connected thereto, said rod pivotally connected to said first link, and

a second link having a first end thereof pivotally connected to said first link and a second end thereof having a second contacting member rotatably connected thereto, said second contacting member having two protrusions extending centrally and longitudinally therefrom so as to move within said two arcuate slots.

2. The pipe cutter as claimed in claim 1 further comprising a knob connected to one of two ends thereof.

3. The pipe cutter as claimed in claim 1, wherein said rod is a threaded rod.

4. The pipe cutter as claimed in claim 1 further comprising a tube rotatably received in said first end of said body and said rod movably extending through said tube.

5. The pipe cutter as claimed in claim 1, wherein said body comprises an arcuate plate and said two side walls extend from two opposite sides of said arcuate plate.

6. The pipe cutter as claimed in claim 1, wherein each of said two side walls has an arcuate recess defined in one of two sides thereof so as to be adapted to receive a pipe to be cut.

7. The pipe cutter as claimed in claim 1, wherein each of said first link and said second link includes two plates connected with each other with a gap defined between said two plates.

8. The pipe cutter as claimed in claim 1 further comprising a connecting plate connected between said two side walls.

9. A pipe cutter comprising:

a body having two side walls and a first end with a rod movably and pivotally extending therethrough and a second end having a first contacting member rotatably connected thereto;

a guide roller connected between said two side walls;

a first link having a first end thereof pivotably connected to said body and a second end thereof having a disk blade rotatably connected thereto, said rod pivotally connected to said first link, and

a second link having a first end thereof pivotally connected to said first link and a second end thereof having a second contacting member rotatably connected thereto, a spring biased between said second link and said body and said guide roller rolling on the back of said second link when said second link moves.

10. The pipe cutter as claimed in claim 9 further comprising a knob connected to one of two ends thereof.

11. The pipe cutter as claimed in claim 9, wherein said rod is a threaded rod.

12. The pipe cutter as claimed in claim 9 further comprising a tube rotatably received in said first end of said body and said rod movably extending through said tube.

13. The pipe cutter as claimed in claim 9, wherein said body comprises an arcuate plate and said two side walls extend from two opposite sides of said arcuate plate.

14. The pipe cutter as claimed in claim 9, wherein each of said two side walls has an arcuate recess defined in one of two sides thereof so as to be adapted to receive a pipe to be cut.

15. The pipe cutter as claimed in claim 9, wherein each of said first link and said second link includes two plates connected with each other with a gap defined between said two plates.

16. The pipe cutter as claimed in claim 9, wherein the back of said second link has a raised portion which contacts said guide roller when said second contacting member is moved beside said first contacting member.

17. The pipe cutter as claimed in claim 9 further comprising a connecting plate connected between said two side walls.

18. A pipe cutter comprising:

a body having two side walls and each of said two side walls having an arcuate notch defined in one of two sides thereof, said body having a first end with a rod pivotally and movably extending therethrough and a second end having a first contacting member rotatably connected thereto;

a first link having a first end thereof pivotably connected to said body and a second end thereof having a disk blade rotatably connected thereto, said rod pivotally connected to said first link, and

a second link having a first end thereof pivotally connected to said first link and a second end thereof having a second contacting member rotatably connected thereto, a spring biased between said second link and said body, said second

contacting member having two protrusions extending centrally and longitudinally therefrom so as to move along said two arcuate notches.

19. The pipe cutter as claimed in claim 18 further comprising a knob connected to one of two ends thereof.

20. The pipe cutter as claimed in claim 18, wherein said rod is a threaded rod.

21. The pipe cutter as claimed in claim 18 further comprising a tube rotatably received in said first end of said body and said rod movably extending through said tube.

22. The pipe cutter as claimed in claim 18, wherein said body comprises an arcuate plate and said two side walls extend from two opposite sides of said arcuate plate.

23. The pipe cutter as claimed in claim 18, wherein each of said two side walls has an arcuate recess defined in the side in which the arcuate notch is defined so as to be adapted to receive a pipe to be cut.

24. The pipe cutter as claimed in claim 18, wherein each of said first link and said second link includes two plates connected with each other with a gap defined between said two plates.

25. The pipe cutter as claimed in claim 18 further comprising a connecting plate connected between said two side walls.

ABSTRACT OF THE DISCLOSURE

A pipe cutter includes a body having two side walls and each of the side walls has an arcuate slot. A rod pivotally extends through the first end of the body and a first contacting member is rotatably connected to the second end of the body. A first link has a first end thereof pivotably connected to the body and a second end thereof having a disk blade rotatably connected thereto. The rod is pivotally connected to the first link to which a second link is pivotally connected, the other end of the second link has a second contacting member rotatably connected thereto. The second contacting member has two protrusions extending centrally and longitudinally therefrom so as to move within the two arcuate slots.

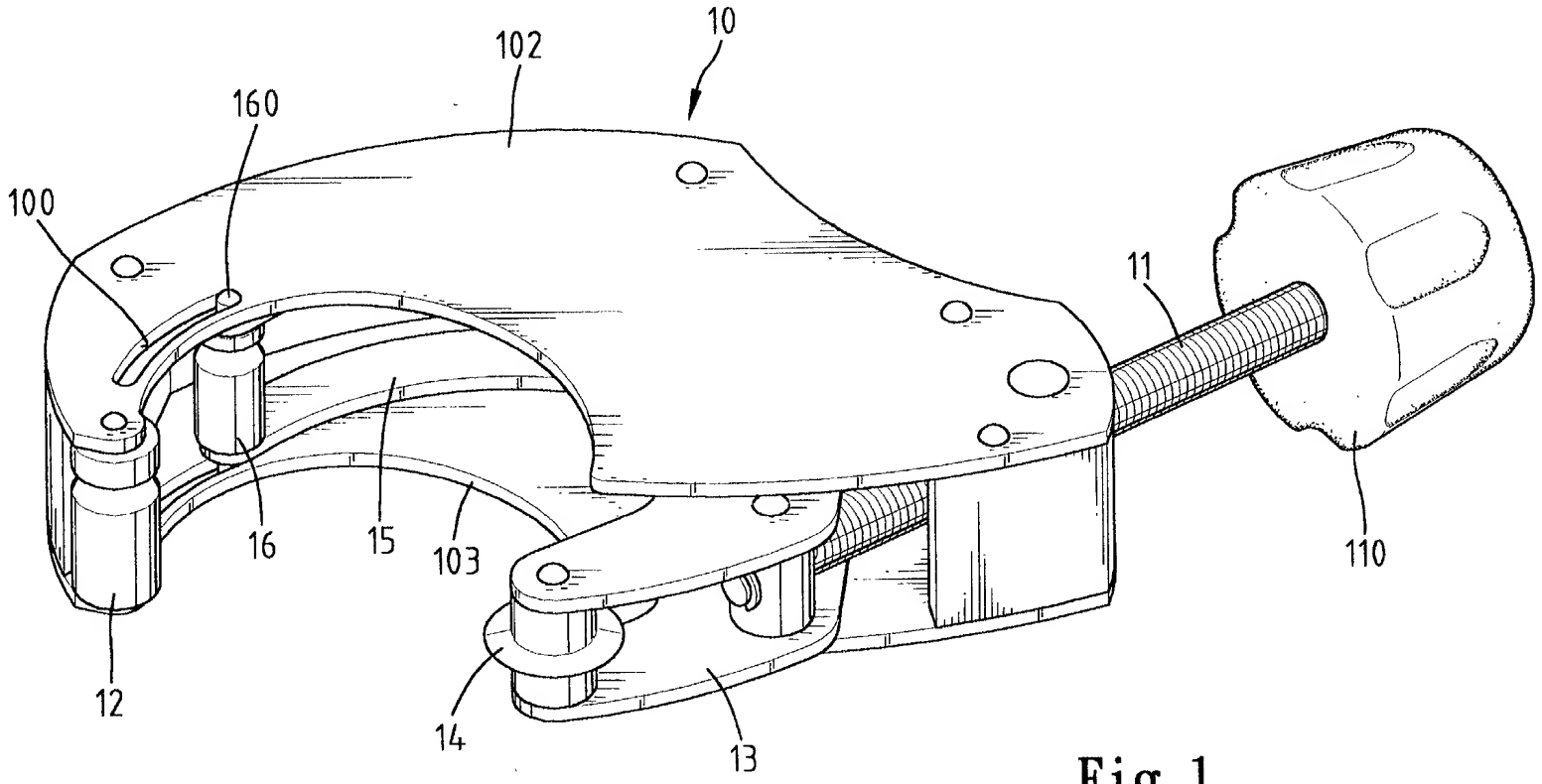

Fig. 1

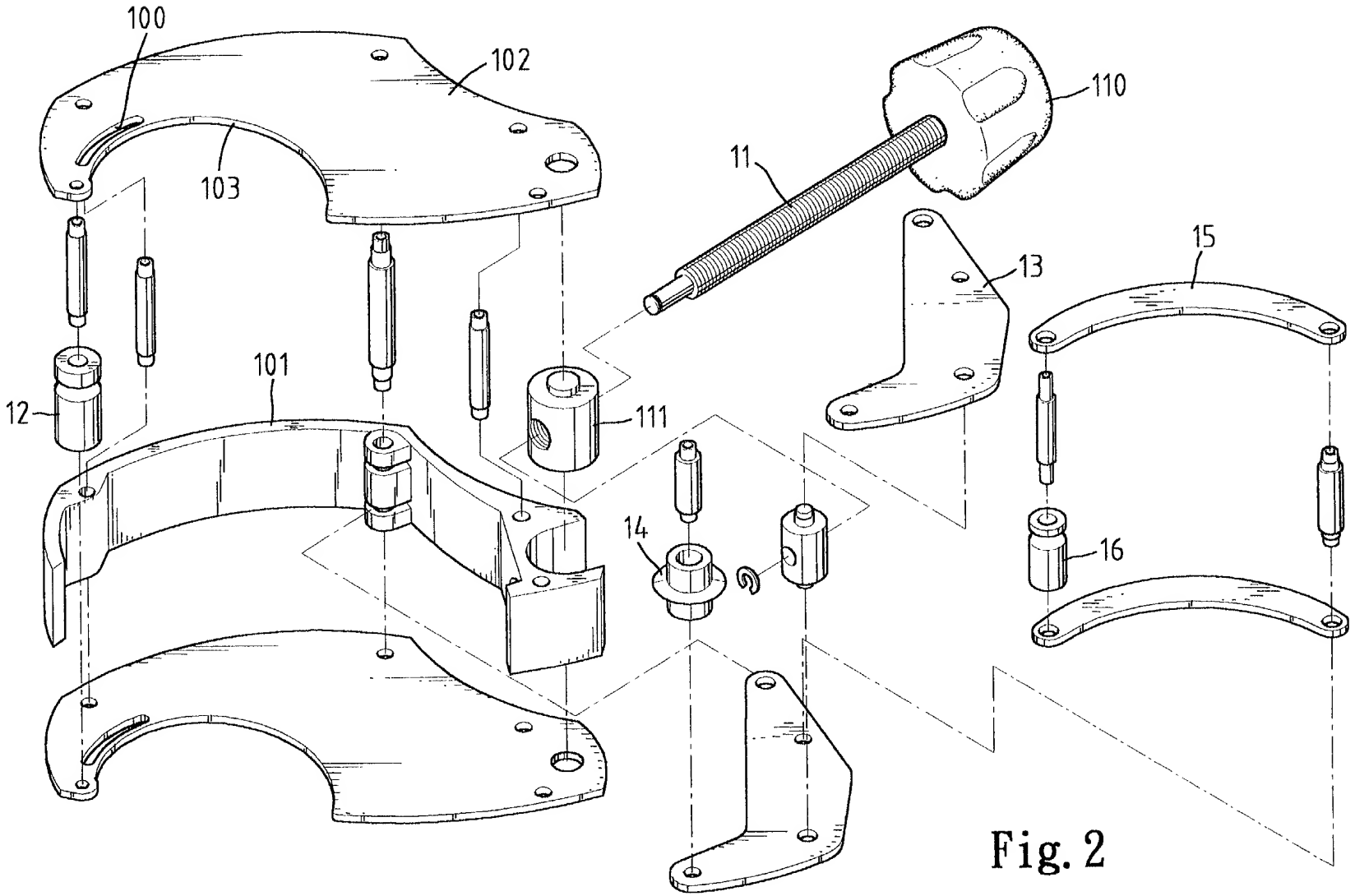

Fig. 2

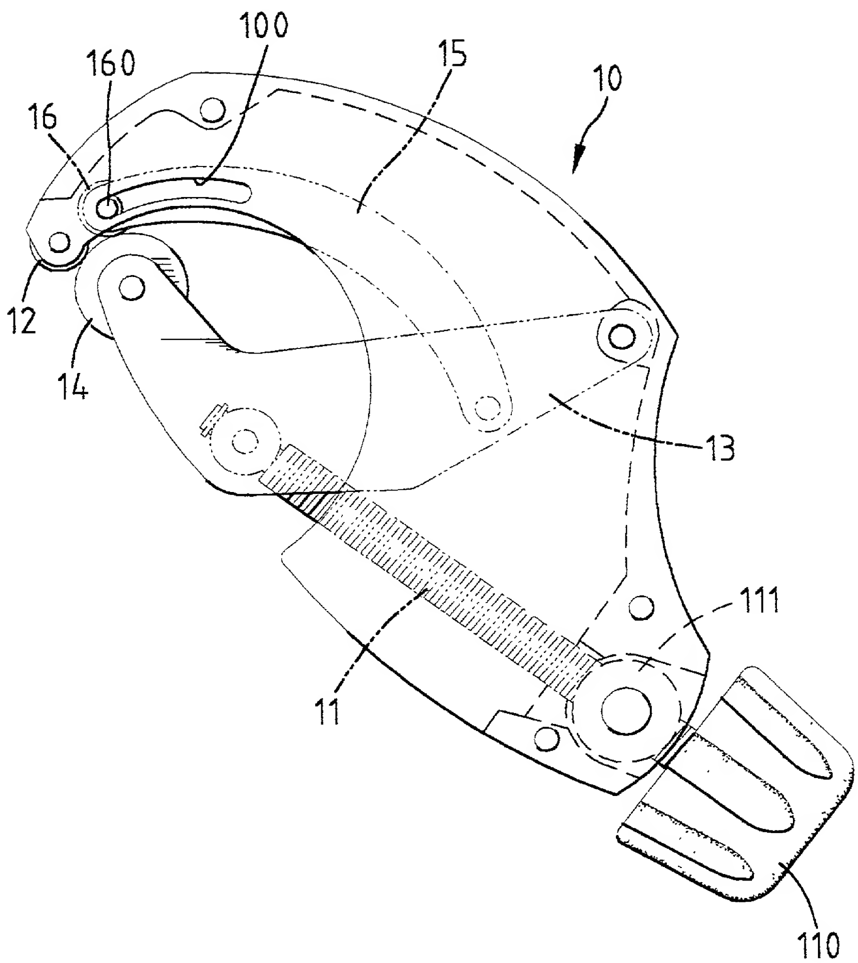

Fig. 3

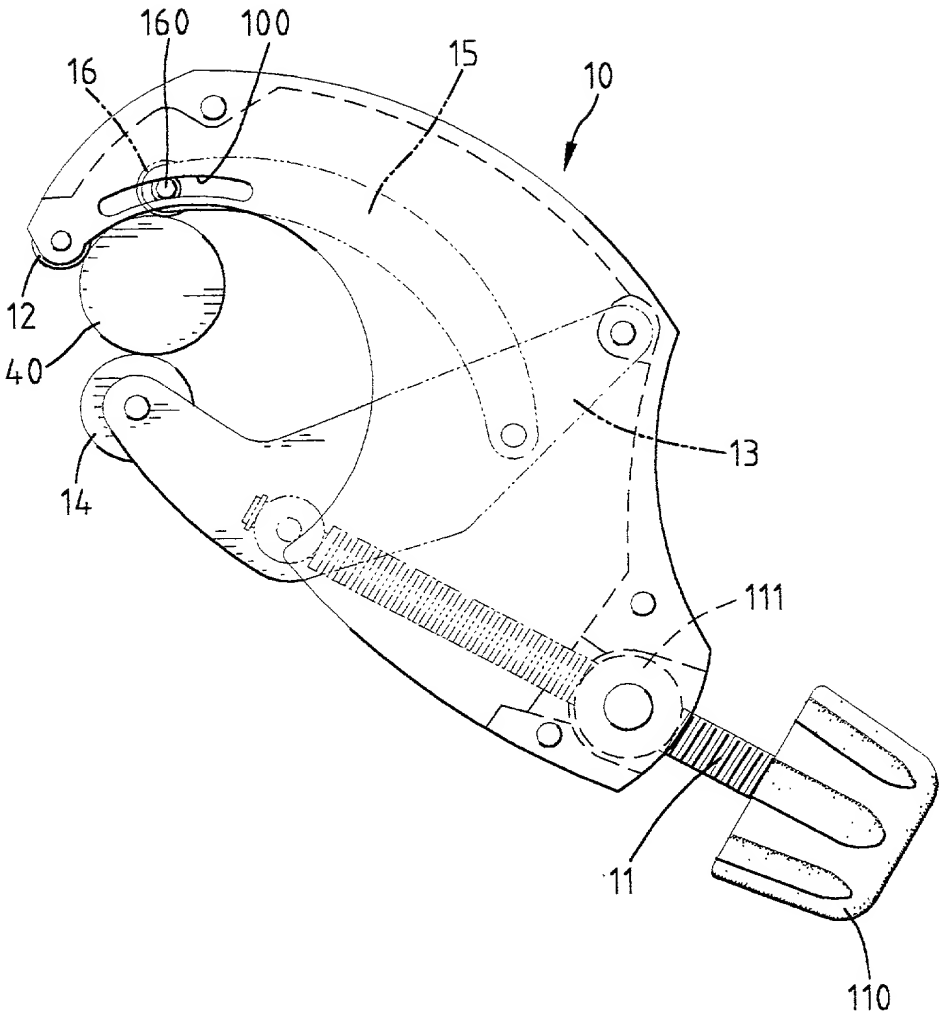

Fig. 4

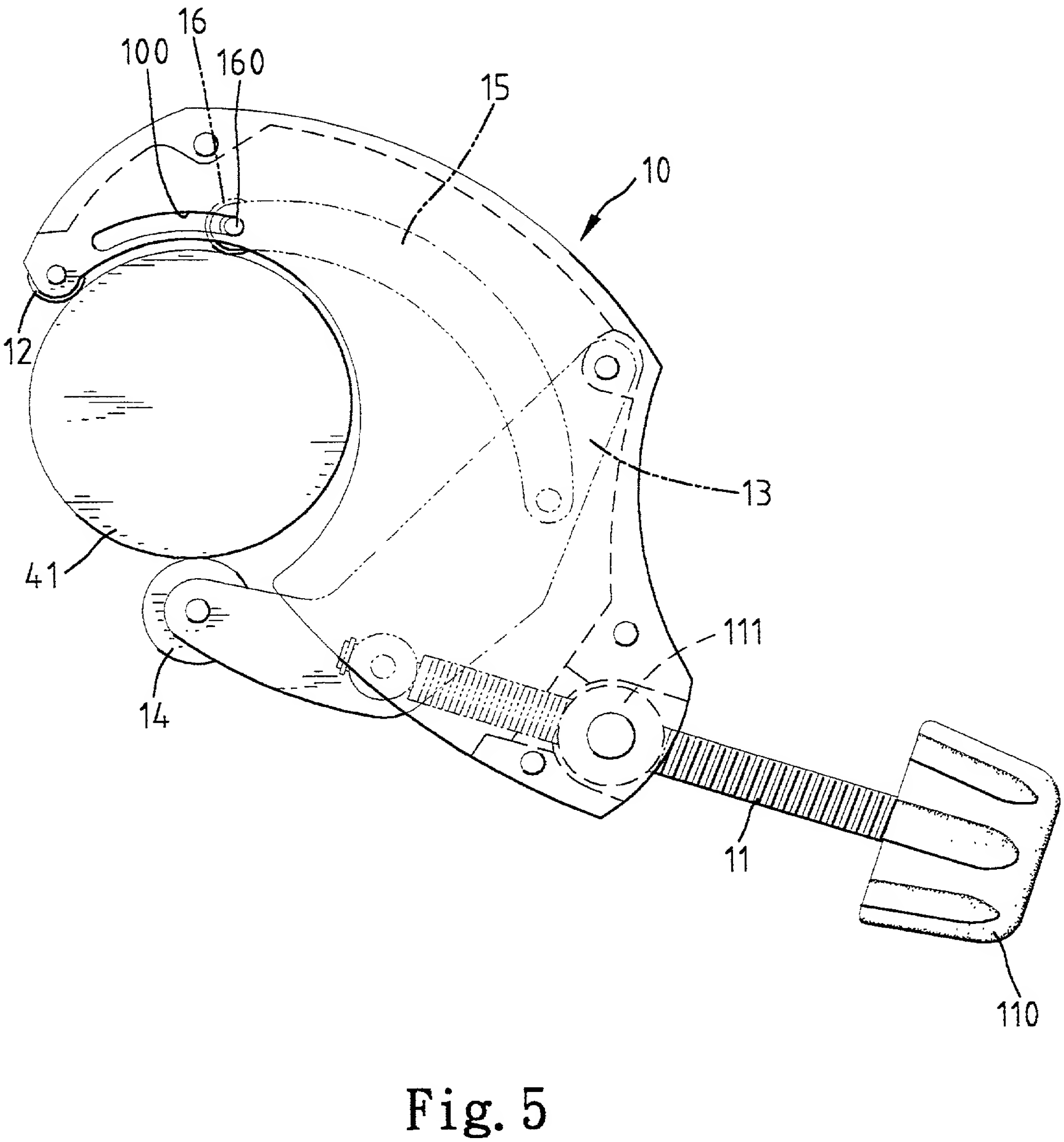

Fig. 5

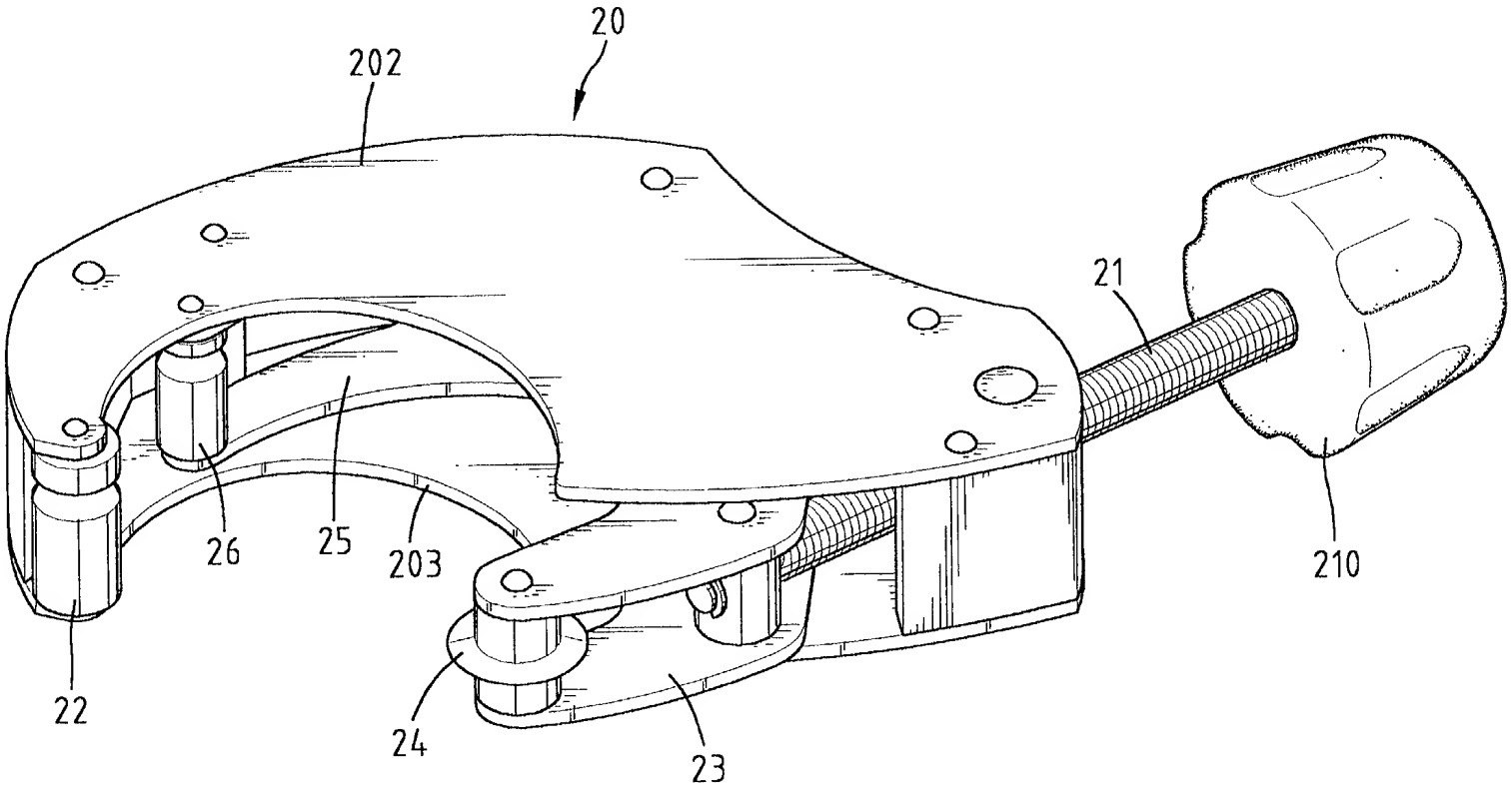

Fig. 6

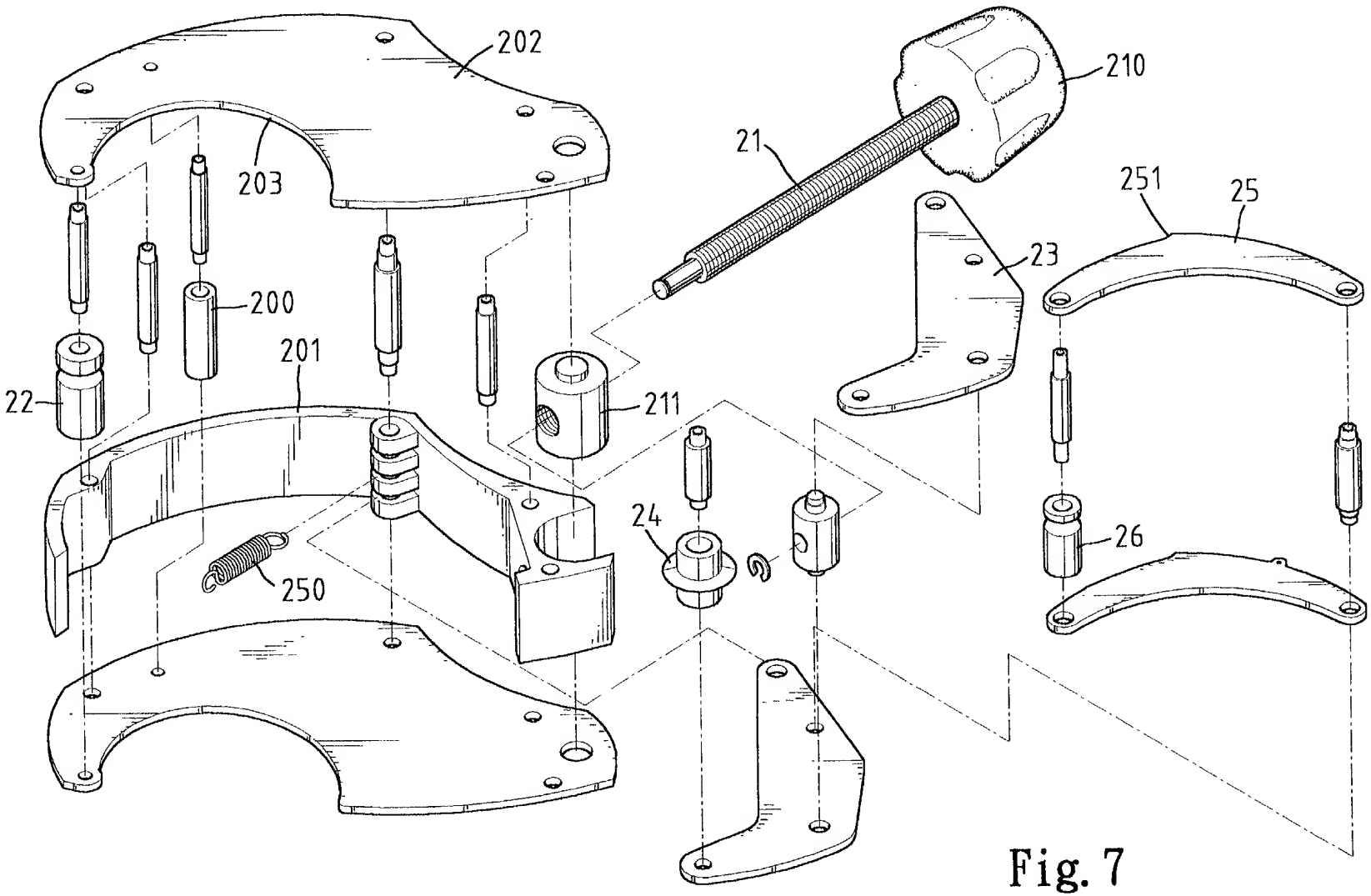

Fig. 7

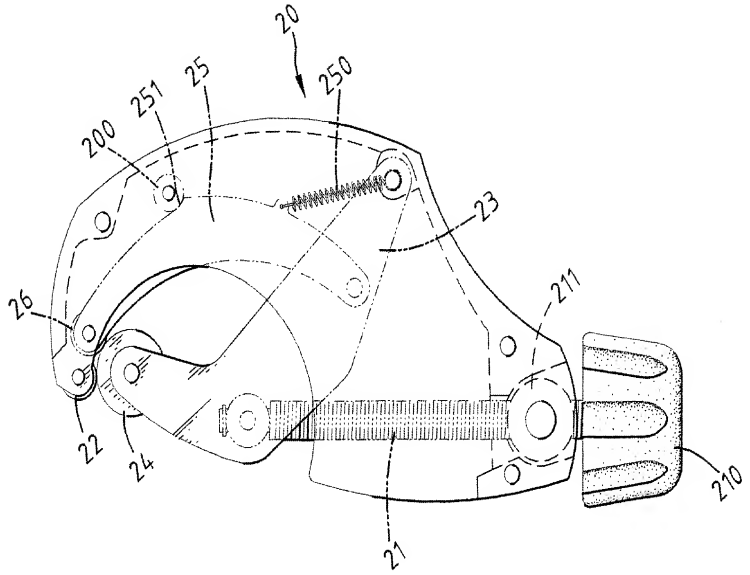

Fig.8

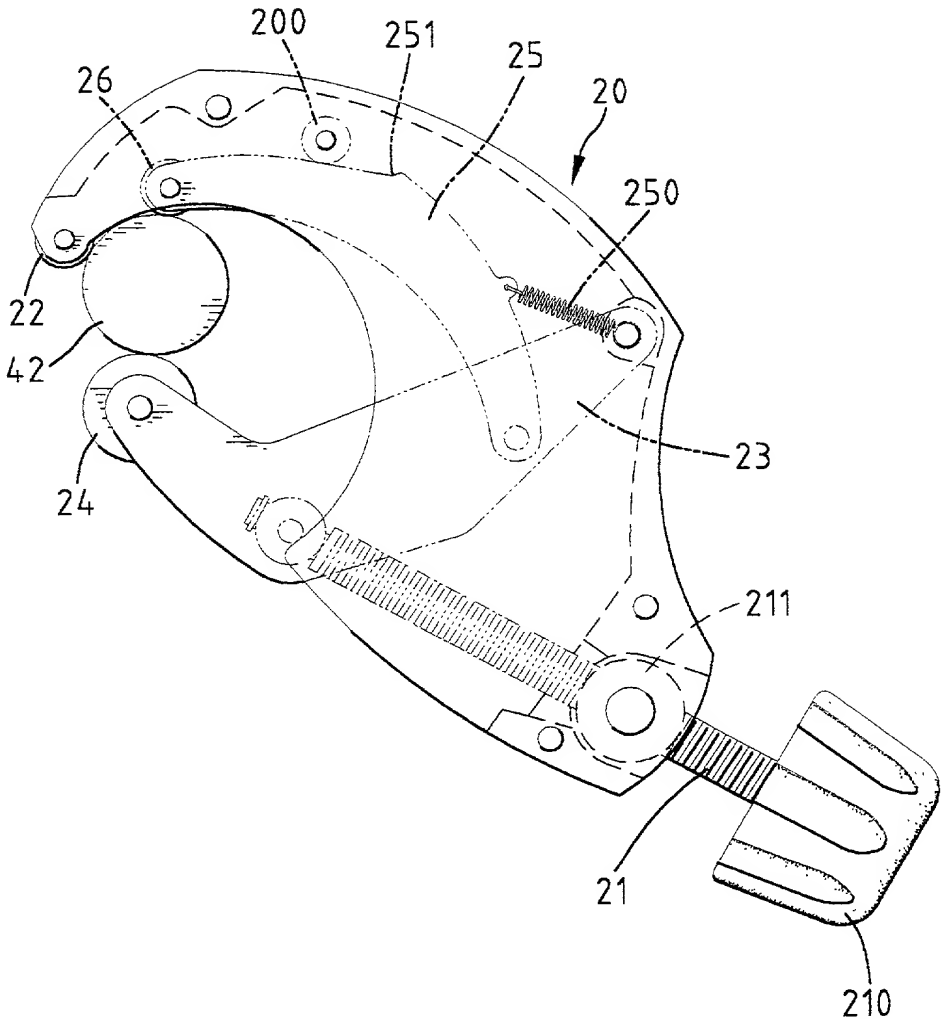

Fig. 9

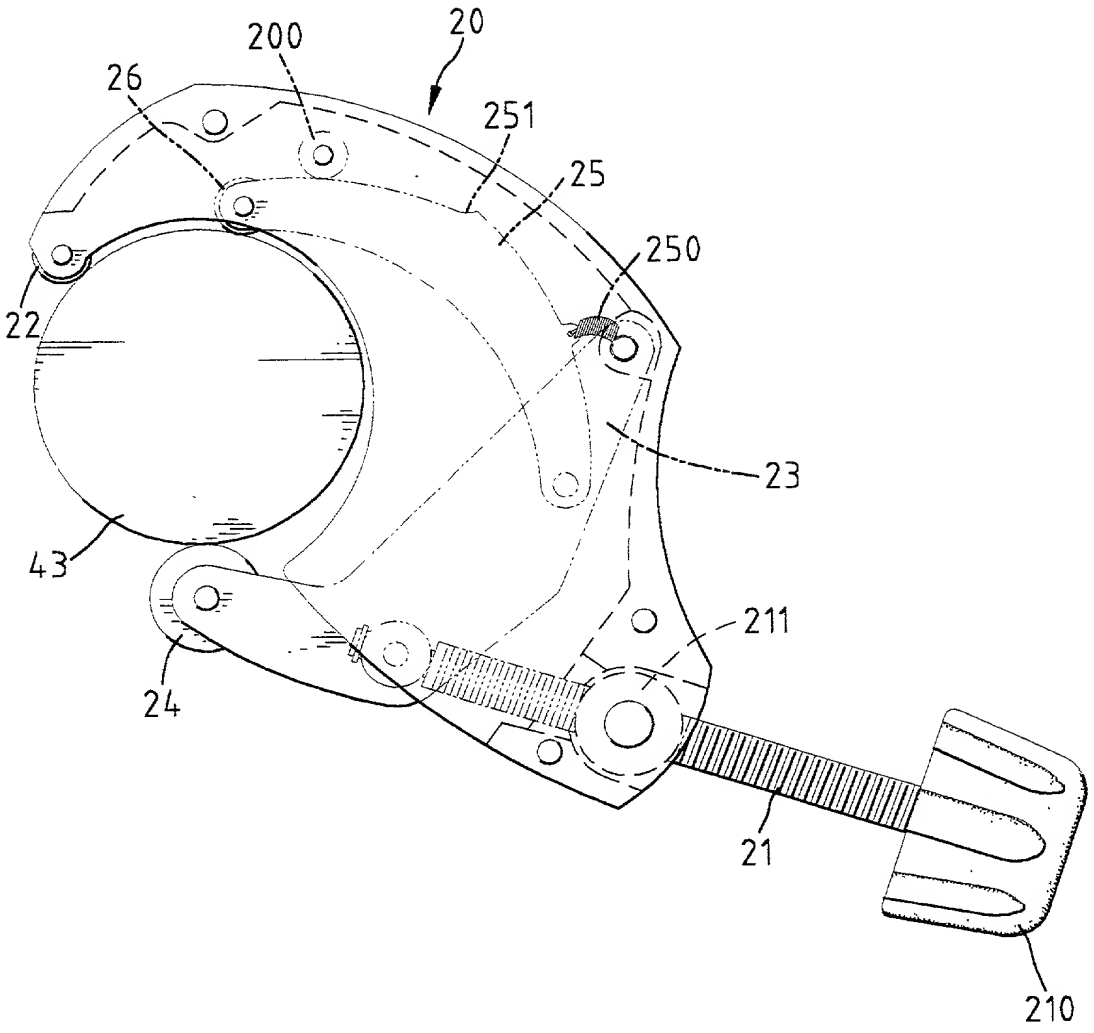

Fig. 10

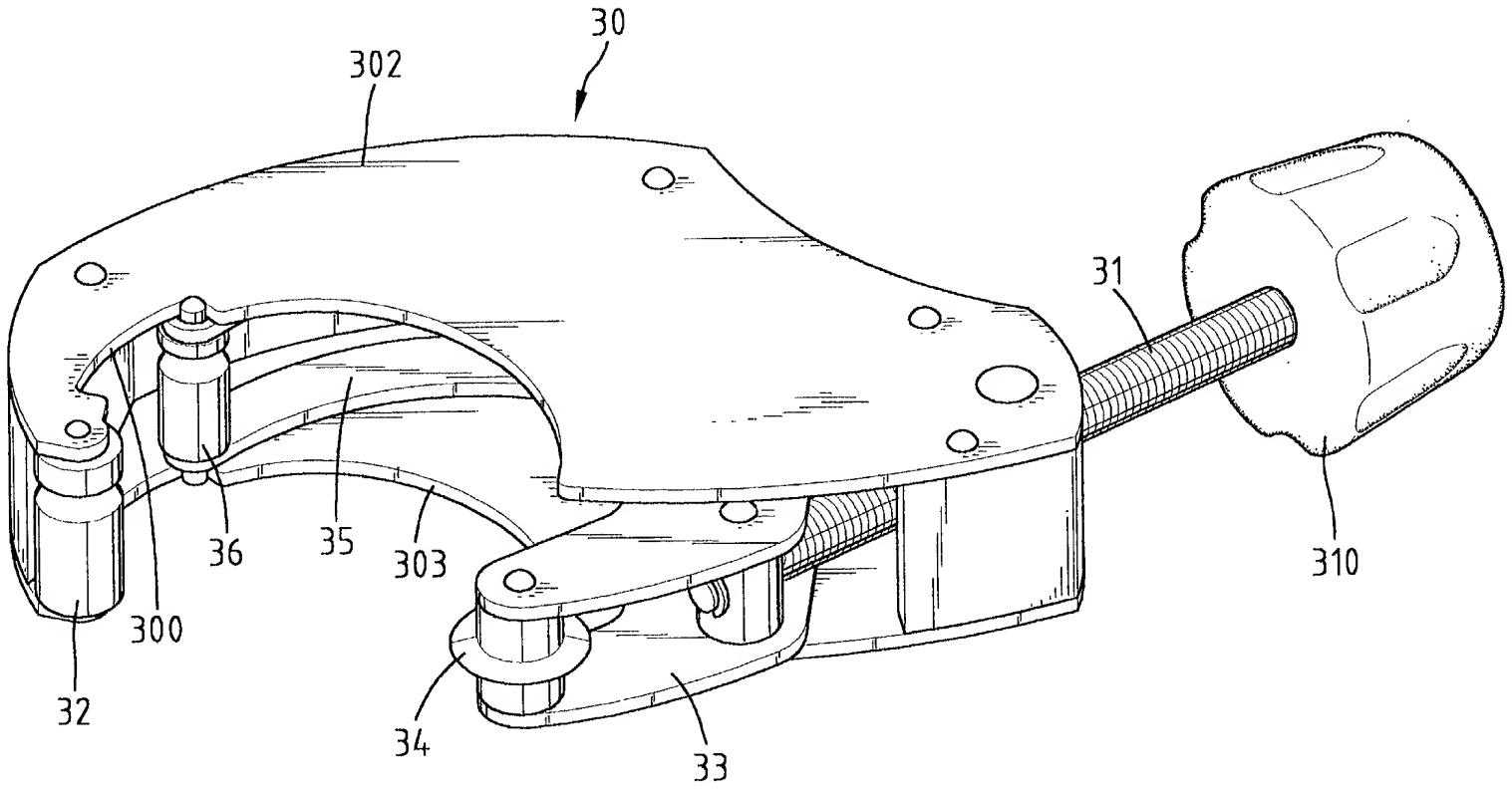

Fig. 11

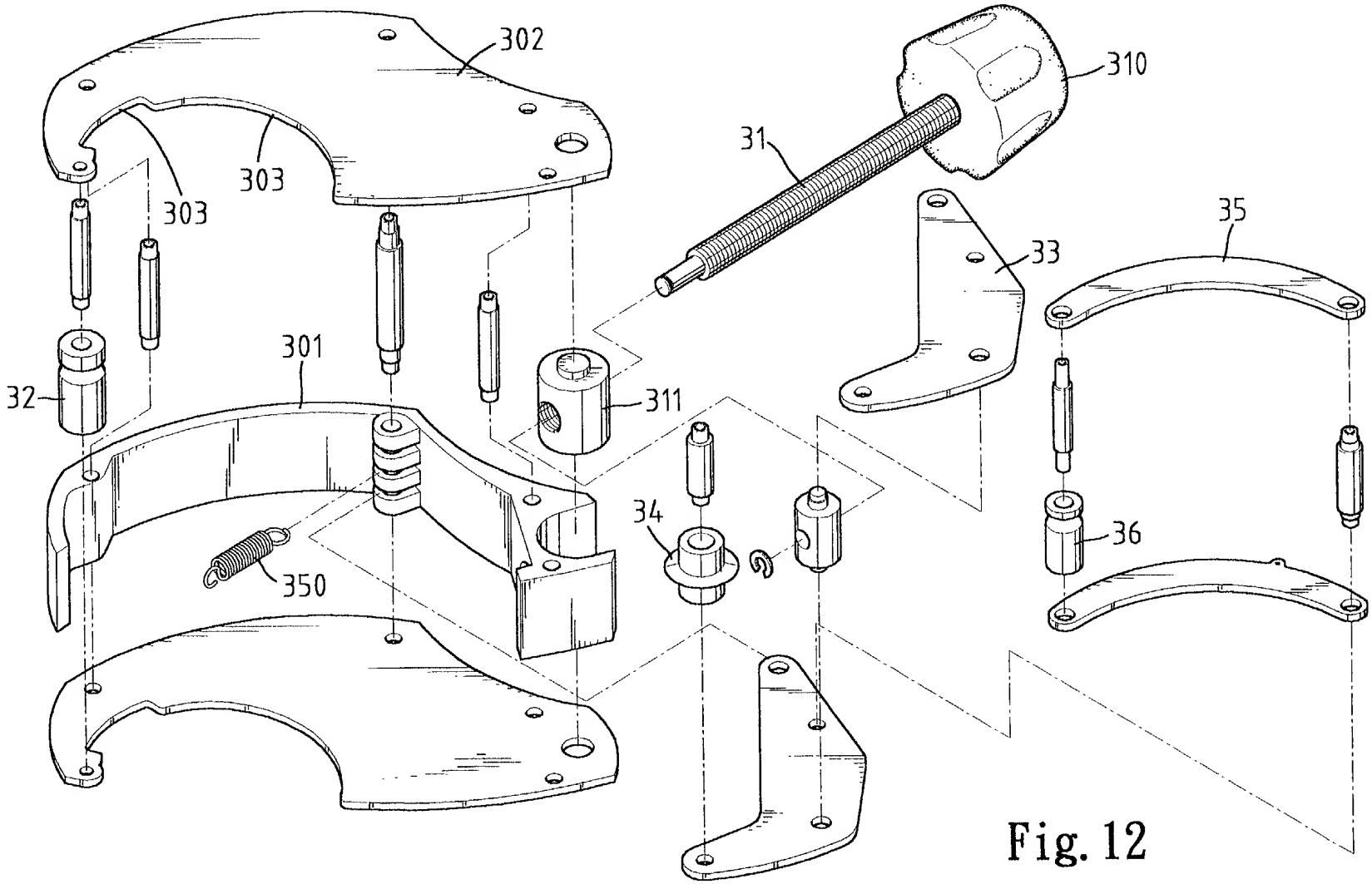

Fig. 12

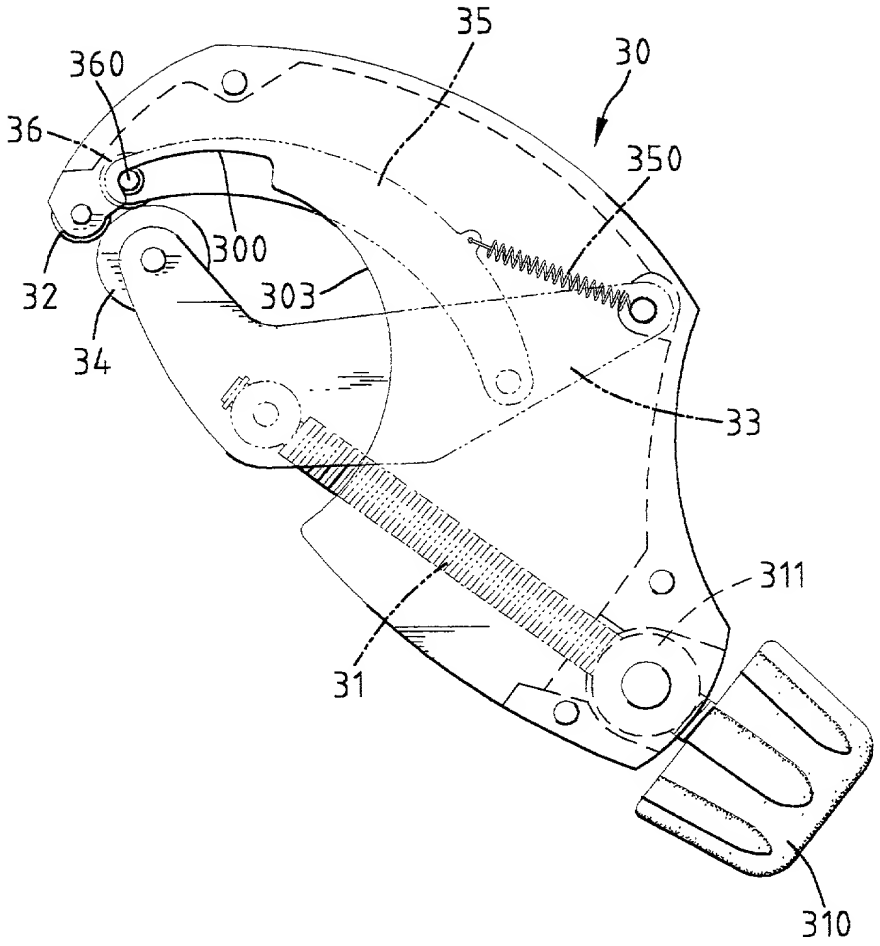

Fig. 13

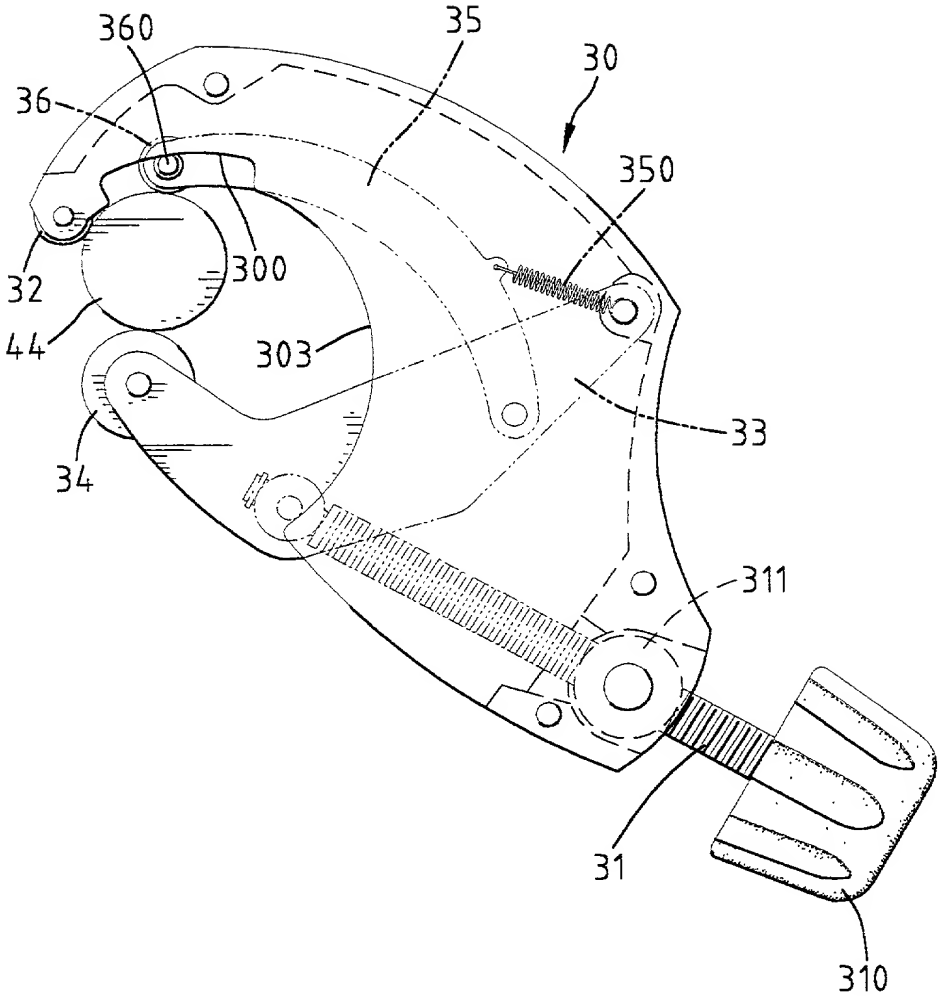

Fig. 14

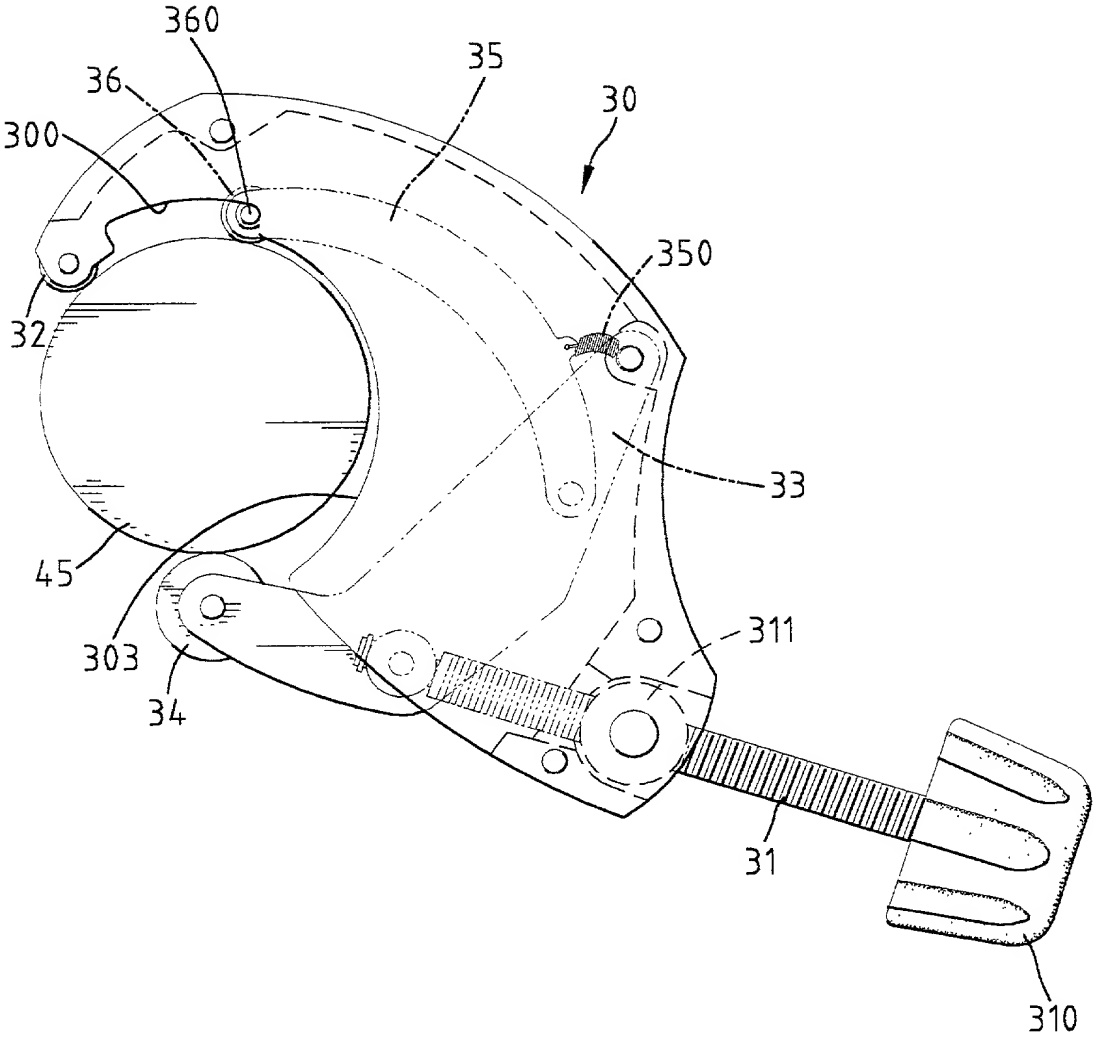

Fig. 15

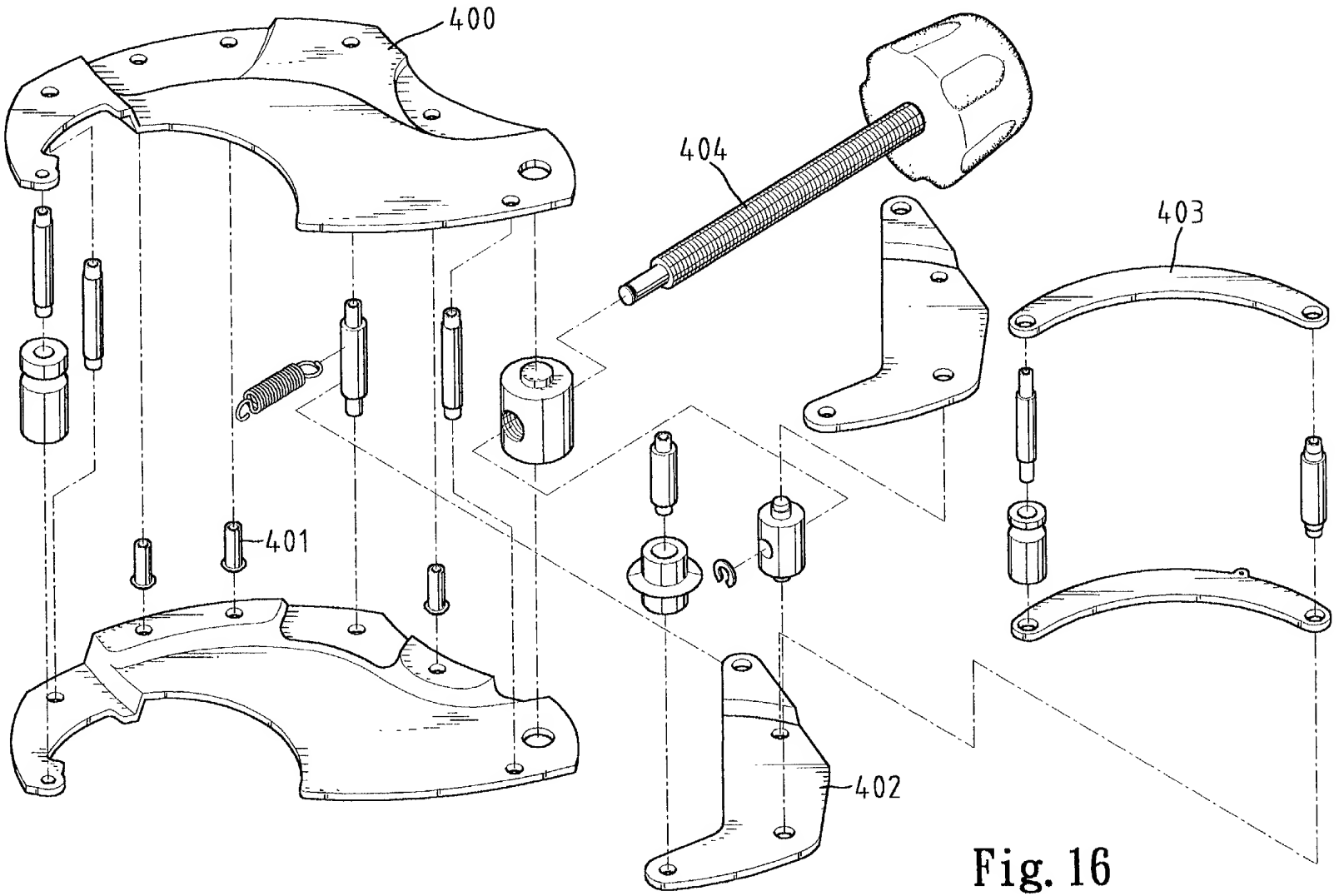

Fig. 16

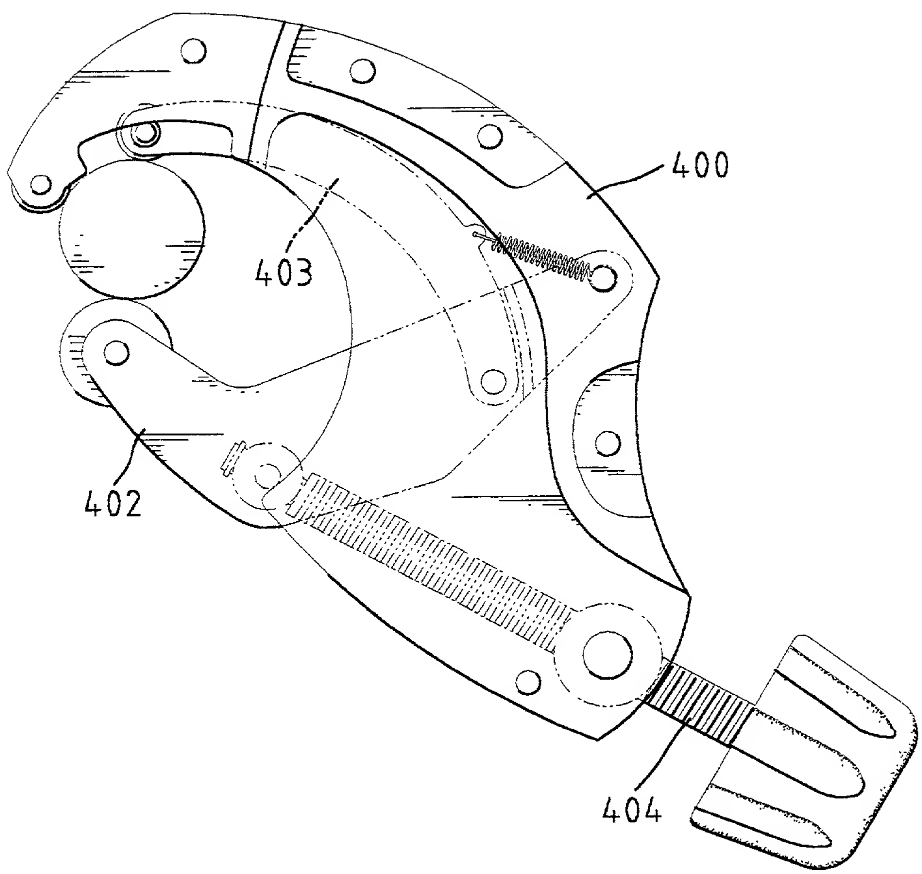

Fig. 17

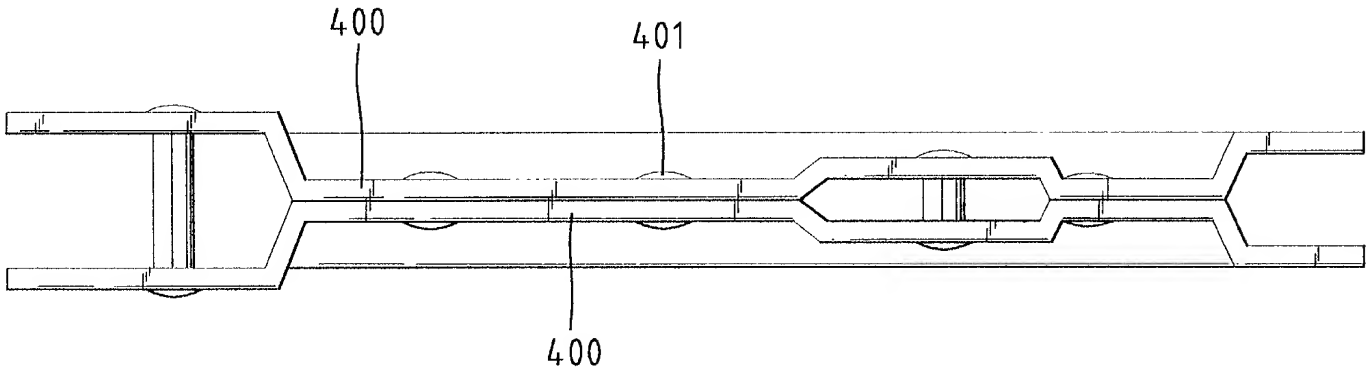

Fig. 18

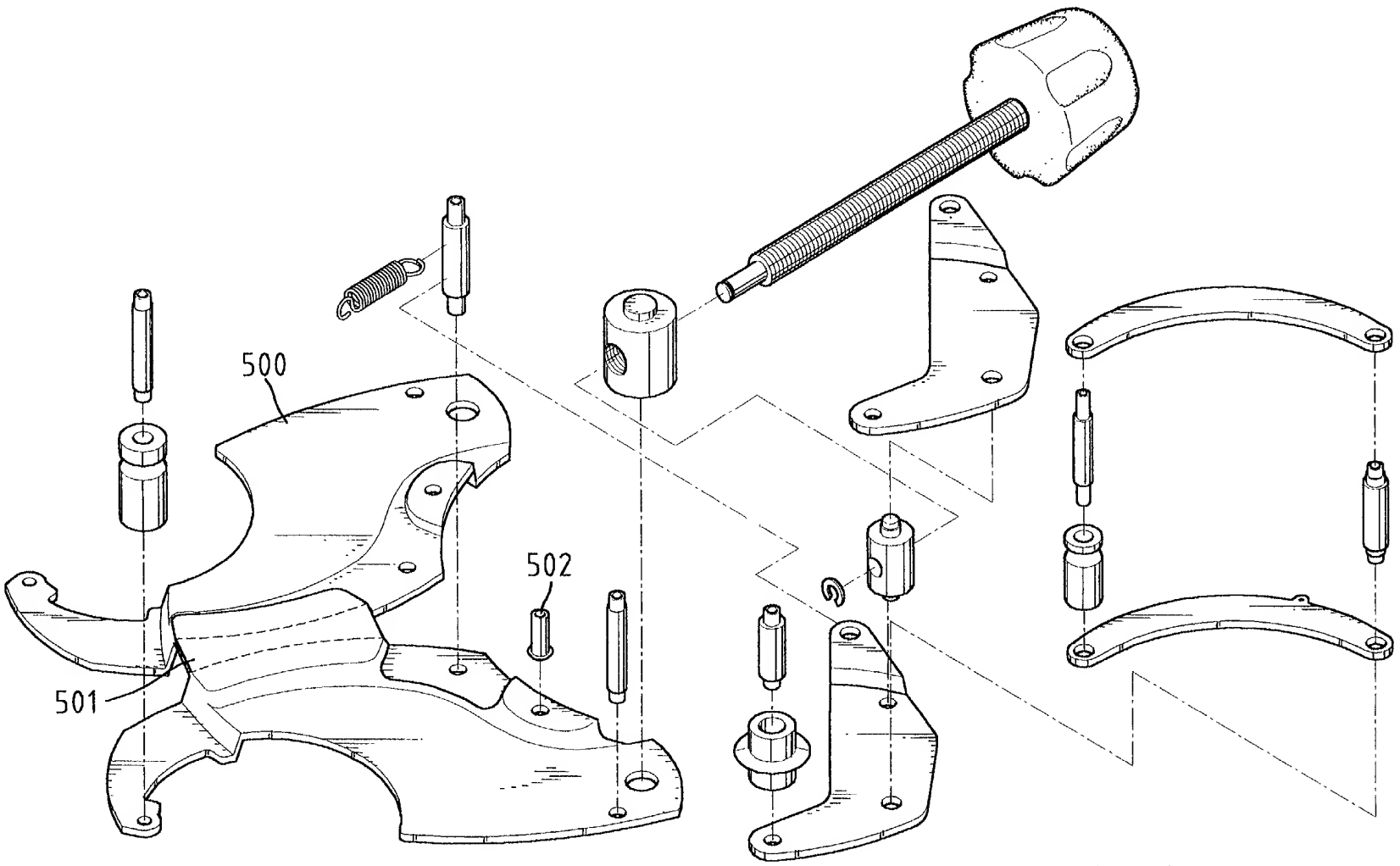

Fig. 19

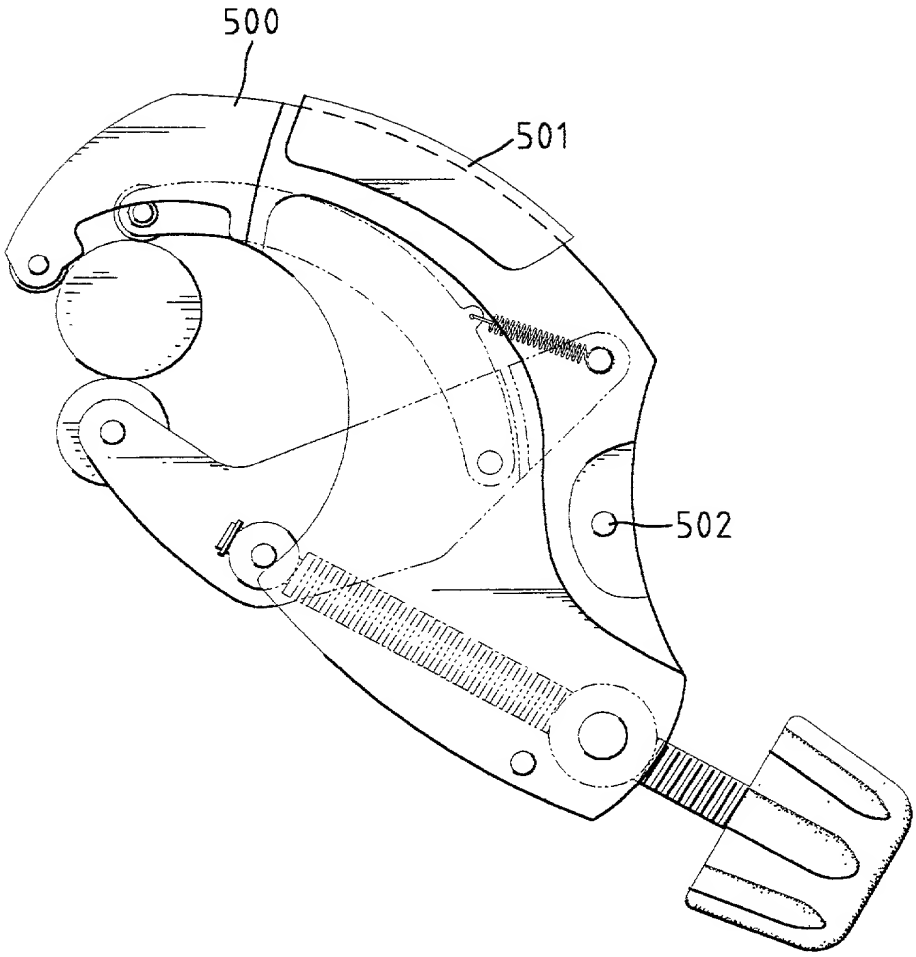

Fig. 20

Docket No. 9898 B

COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

PIPE CUTTER

the specification of which (check one)
☒ is attached hereto

☐ was filed on _____
as U. S. Application
Serial No. _____
and was amended on
_____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefit(s) under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)			Priority Claimed	
(Number)	(Country)	Day/Month/Year Filed)	☐ Yes	☐ No
(Number)	(Country)	Day/Month/Year Filed)	☐ Yes	☐ No
(Number)	(Country)	Day/Month/Year Filed)	☐ Yes	☐ No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37 Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

POWER OF ATTORNEY:
As a named inventor, I hereby appoint the following attorneys and agent: Charles E. Baxley, Esquire
Charles E. Baxley, P.C., of 59 John Street, New York, NY 10038
Reg. No.: 20,149 to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Send correspondence to: Charles E. Baxley, Esquire
59 John Street, 5th Floor
New York, NY 10038

Direct telephone calls to:
(212) 7917200
Charles E. Baxley

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: ~~Bobby~~ WU
Inventor's Signature _____ Date ~~September~~ 18, 1998
Residence ~~No. 6, Alley 235, Lane 75, Section 3, Kang Ning Road, Nei Hu District, Taipei, Taiwan.~~ Citizenship Taiwan
Post Office Address ~~P.O. Box 63-247, Taichung, Taiwan.~~

Full name of second joint inventor, if any _____
Second Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____

9898 B

0135W

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Bobby HU
Serial No. :
Filed :
For : PIPE CUTTER

Commissioner of Patents and Trademarks
Washington, DC 20231

POWER OF ATTORNEY

Sir:

The undersigned, owner of the entire right, title and interest in, to and under the patent application of the United States described above, hereby revokes all former Powers of Attorney and appoints Charles E. Baxley, Esquire
Charles E. Baxley, P.C.
of 59 John Street, New York, NY 10038
Registration No. 20,149

my Attorney, with full power of substitution and revocation, to transact all business in the Patent and Trademark Office and elsewhere in connection therewith.

BY: _____
Bobby HU

Place: Taiwan

Date: September 18, 1998